



WA

## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/936,179  
Source: P4/09  
Date Processed by STIC: 1/24/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/936,179

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1.      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2.      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
3.      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4.      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5.      Variable Length      Sequence(s) 17 contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6.      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)           . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7.      Skipped Sequences  
    (OLD RULES)      Sequence(s)            missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8.      Skipped Sequences  
    (NEW RULES)      Sequence(s)            missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
9.      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10.      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11.      Use of <220>      Sequence(s)            missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12.      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13.      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT09

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/936,179

DATE: 01/24/2002  
 TIME: 12:12:36

Input Set : A:\213701.ST25.txt  
 Output Set: N:\CRF3\01242002\I936179.raw

P.4

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Okamoto, Satoru  
 4 Miwa, Kiyoshi  
 5 Eto, Yuzuru  
 7 <120> TITLE OF INVENTION: Method For Screening Biomolecule Activity Regulator  
 9 <130> FILE REFERENCE: 213701US0PCT  
 11 <140> CURRENT APPLICATION NUMBER: US 09/936,179  
 12 <141> CURRENT FILING DATE: 2001-09-10  
 14 <150> PRIOR APPLICATION NUMBER: JP99/11-63110  
 15 <151> PRIOR FILING DATE: 1999-03-10  
 17 <160> NUMBER OF SEQ ID NOS: 20  
 19 <170> SOFTWARE: PatentIn version 3.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 10  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: ARTIFICIAL SEQUENCE  
 26 <220> FEATURE:  
 27 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE  
 29 <400> SEQUENCE: 1  
 31 Cys Val Pro Leu Val Cys Ile Phe Arg Cys  
 32 1 5 10  
 35 <210> SEQ ID NO: 2  
 36 <211> LENGTH: 10  
 37 <212> TYPE: PRT  
 38 <213> ORGANISM: ARTIFICIAL SEQUENCE  
 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE  
 43 <400> SEQUENCE: 2  
 45 Cys Ser Arg Ile Val Cys Leu Leu Trp Cys  
 46 1 5 10  
 49 <210> SEQ ID NO: 3  
 50 <211> LENGTH: 7  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: ARTIFICIAL SEQUENCE  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE  
 57 <400> SEQUENCE: 3  
 59 Cys Trp Leu Phe Leu Trp Cys  
 60 1 5  
 63 <210> SEQ ID NO: 4  
 64 <211> LENGTH: 7  
 65 <212> TYPE: PRT  
 66 <213> ORGANISM: ARTIFICIAL SEQUENCE  
 68 <220> FEATURE:

## RAW SEQUENCE LISTING

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Input Set : A:\213701.ST25.txt

Output Set: N:\CRF3\01242002\I936179.raw

69 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

71 &lt;400&gt; SEQUENCE: 4

73 Cys Trp Leu Leu Val Phe Cys

74 1 5

77 &lt;210&gt; SEQ ID NO: 5

78 &lt;211&gt; LENGTH: 6

79 &lt;212&gt; TYPE: PRT

80 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

82 &lt;220&gt; FEATURE:

83 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

85 &lt;400&gt; SEQUENCE: 5

87 Cys Ile Ala Val Ile Cys

88 1 5

91 &lt;210&gt; SEQ ID NO: 6

92 &lt;211&gt; LENGTH: 10

93 &lt;212&gt; TYPE: PRT

94 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

96 &lt;220&gt; FEATURE:

97 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

99 &lt;400&gt; SEQUENCE: 6

101 Cys Arg Pro Val Met Ala Leu Phe Tyr Cys

102 1 5 10

105 &lt;210&gt; SEQ ID NO: 7

106 &lt;211&gt; LENGTH: 9

107 &lt;212&gt; TYPE: PRT

108 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

110 &lt;220&gt; FEATURE:

111 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

113 &lt;400&gt; SEQUENCE: 7

115 Ile Trp Ala Val Leu Trp Ile Trp Asn

116 1 5

119 &lt;210&gt; SEQ ID NO: 8

120 &lt;211&gt; LENGTH: 9

121 &lt;212&gt; TYPE: PRT

122 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

124 &lt;220&gt; FEATURE:

125 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

127 &lt;400&gt; SEQUENCE: 8

129 Trp Val Phe Phe Trp Leu Ser Arg Pro

130 1 5

133 &lt;210&gt; SEQ ID NO: 9

134 &lt;211&gt; LENGTH: 9

135 &lt;212&gt; TYPE: PRT

136 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

138 &lt;220&gt; FEATURE:

139 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

141 &lt;400&gt; SEQUENCE: 9

143 Ile Trp His Phe Ser Phe Met Trp Ile

144 1 5

## RAW SEQUENCE LISTING

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TIME: 12:12:36

Input Set : A:\213701.ST25.txt

Output Set: N:\CRF3\01242002\I936179.raw

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147 <210> SEQ ID NO: 10
148 <211> LENGTH: 10
149 <212> TYPE: PRT
150 <213> ORGANISM: ARTIFICIAL SEQUENCE
152 <220> FEATURE:
153 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
155 <400> SEQUENCE: 10
157 Cys Arg Leu Leu Val Lys Val Phe Trp Cys
158 1          5          10
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 15
163 <212> TYPE: PRT
164 <213> ORGANISM: ARTIFICIAL SEQUENCE
166 <220> FEATURE:
167 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
169 <400> SEQUENCE: 11
171 Gly Arg Arg Phe Gly Ile Val Cys Thr Cys Leu Lys Tyr Phe Val
172 1          5          10          15
175 <210> SEQ ID NO: 12
176 <211> LENGTH: 10
177 <212> TYPE: PRT
178 <213> ORGANISM: ARTIFICIAL SEQUENCE
180 <220> FEATURE:
181 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
183 <400> SEQUENCE: 12
185 Cys Ala Leu Met Ser Cys Leu Phe Trp Cys
186 1          5          10
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 37
191 <212> TYPE: DNA
192 <213> ORGANISM: ARTIFICIAL SEQUENCE
194 <220> FEATURE:
195 <223> OTHER INFORMATION: SYNTHETIC DNA
197 <400> SEQUENCE: 13
198 catggcagat cttaaagtcg actctagagg cctctgc
201 <210> SEQ ID NO: 14
202 <211> LENGTH: 37
203 <212> TYPE: DNA
204 <213> ORGANISM: ARTIFICIAL SEQUENCE
206 <220> FEATURE:
207 <223> OTHER INFORMATION: SYNTHETIC DNA
209 <400> SEQUENCE: 14
210 ggccgcagag gcctctagag tctacttaaa gatctgc
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 16
215 <212> TYPE: DNA
216 <213> ORGANISM: ARTIFICIAL SEQUENCE
218 <220> FEATURE:
219 <223> OTHER INFORMATION: SYNTHETIC DNA

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Input Set : A:\213701.ST25.txt

Output Set: N:\CRF3\01242002\I936179.raw

221 <400> SEQUENCE: 15  
 222 actcggccga cggggc 16

225 &lt;210&gt; SEQ ID NO: 16

226 &lt;211&gt; LENGTH: 18

227 &lt;212&gt; TYPE: DNA

228 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

230 &lt;220&gt; FEATURE:

231 &lt;223&gt; OTHER INFORMATION: SYNTHETIC DNA

233 &lt;400&gt; SEQUENCE: 16

234 ttcgccccca gcggcccc 18

237 &lt;210&gt; SEQ ID NO: 17

238 &lt;211&gt; LENGTH: 36

239 &lt;212&gt; TYPE: DNA

240 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

242 &lt;220&gt; FEATURE:

243 &lt;223&gt; OTHER INFORMATION: SYNTHETIC DNA

245 &lt;220&gt; FEATURE:

246 &lt;221&gt; NAME/KEY: misc\_feature

247 &lt;222&gt; LOCATION: (18)..(18)

248 <223> OTHER INFORMATION: n = (NNk)x; where N= a or g or c or t, k=g or t, and x=4 to

*variable length not permitted*

*see  
item 5 on  
Erra summary  
sheet*

15  
 W--> 251 <400> SEQUENCE: 17  
 252 actcggccga cggggctggg ggccgctggg gccgaa 36

255 &lt;210&gt; SEQ ID NO: 18

256 &lt;211&gt; LENGTH: 18

257 &lt;212&gt; TYPE: DNA

258 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

260 &lt;220&gt; FEATURE:

261 &lt;223&gt; OTHER INFORMATION: SYNTHETIC DNA

263 &lt;400&gt; SEQUENCE: 18

264 tgaattttct gtatgggg 18

267 &lt;210&gt; SEQ ID NO: 19

268 &lt;211&gt; LENGTH: 23

269 &lt;212&gt; TYPE: PRT

270 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

272 &lt;220&gt; FEATURE:

273 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

275 &lt;400&gt; SEQUENCE: 19

277 Leu Thr Thr Gly Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly

278 1 5 10 15

281 Arg Pro Ala Val Val Pro Asp

282 20

285 &lt;210&gt; SEQ ID NO: 20

286 &lt;211&gt; LENGTH: 4

287 &lt;212&gt; TYPE: PRT

288 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

290 &lt;220&gt; FEATURE:

291 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

293 &lt;400&gt; SEQUENCE: 20

295 Gly Gly Gly Ser

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/936,179

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Input Set : A:\213701.ST25.txt

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296 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/936,179

DATE: 01/24/2002

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Input Set : A:\213701.ST25.txt

Output Set: N:\CRF3\01242002\I936179.raw

L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17